



### HOW TO CALCULATE T1 DIMENSION & T2 DIMENSION

**10mm Minimum T1 Dimension**  
**Specify L = XXXX and T1 = ? Part Number "PN"**

#### Example

- STEP 01: Total Length = 1250 mm
- STEP 02: Divide Total Length by Drill Row Pitch  
i.e.  $1250 / 60 = 20.8333$
- STEP 03: Multiply Integer by Drill Row Pitch  
i.e.  $60 \times 20 = 1200$
- STEP 04: Subtract STEP 03 from Length  
i.e.  $1200 - 1250 = 50$
- STEP 05: T1 + T2 must equal STEP 04  
i.e. if T1=20 then T2=30
- STEP 06: Complete PN  
i.e. 1605-104-31-1250 (T1=20)

Bosch Rexroth BSHP Ball Rail  
 KSA-015-SNS-N-MA-AK  
**PN: 1605-104-31-XXXX(T1=?)**

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**rexroth**  
 A Bosch Company

UNITS : mm

Weight	1.4 kg/m
Mechanical system design	KSA Ball guide rail
Size	Size 15
Design	SNS Slimline, normal, standard
Material	CS Carbon steel
Accuracy class	N Normal
Mounting	MA Bolting from above
Cover	AK Plastic mounting hole plugs
Length (mm)	XXXX Tolerance $\pm 1.5$ mm
T1	XX mm Tolerance $\pm 0.75$ mm
	Drill row T1 / n * 60 / T2